Application No. 10/720,937 Amendment dated November 18, 2005 After Final Office Action of June 21, 2005

AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A submersible glider comprising:
 - a an inflatable wave-piercing hull having a bow and a stern; and
 - a first generally planar lifting surface disposed toward the stern, the first lifting surface having a pair of generally planar stabilizer surfaces extending generally perpendicular to a plane of the first lifting surface from ends of the first lifting surface.
- 2. (Cancelled)
- 3. (Cancelled)
- 4. (Currently Amended) The glider of Claim 3 1, wherein the hull is substantially cylindrical.
- 5. (Original) The glider of Claim 4, further comprising a second generally planar lifting surface disposed toward the stern, the second lifting surface being substantially parallel to the first lifting surface and being attached to the pair of stabilizer surfaces.
- 6. (Original) The glider of Claim 4, further comprising at least one steering device disposed toward the bow.
- 7. (Original) The glider of Claim 6, wherein the steering device includes a deflection surface that is spaced apart from the hull such that a boundary layer of fluid is flowable between the deflection surface and the hull.
 - 8. (Original) The glider of Claim 4, further comprising a canard disposed toward the bow.
- 9. (Previously Presented) The glider of Claim 8, wherein the canard includes a ring canard that is collapsible against the hull.
- 10. (Original) The glider of Claim 4, further comprising a tail cone section disposed at the stern.
 - 11. (Original) The glider of Claim 10, wherein the tail cone is inflatable.

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- 12. (Original) The glider of Claim 4, further comprising a nose cone disposed at the bow.
- 13. (Original) The glider of Claim 12, wherein the nose cone has an axis that is not collinear with an axis of the hull.
 - 14. (Original) The glider of Claim 1, further comprising a propulsion system.
 - 15. (Original) The glider of Claim 14, wherein the propulsion system includes a jet ski.
- 16. (Original) The glider of Claim 15, wherein the propulsion system further includes a ring propeller.
- 17. (Original) The glider of Claim 15, further comprising a lifting ski disposed toward the bow.
- 18. (Original) The glider of Claim 5, wherein the second lifting surface includes control surfaces.
 - 19. (Original) The glider of Claim 18, wherein the control surfaces include elevons.
- 20. (Original) The glider of Claim 1, further comprising at least one attachment device configured to releasably attach at least one external store.
- 21. (Original) The glider of Claim 20, wherein the at least one external store includes a torpedo.
- 22. (Original) The glider of Claim 1, wherein the hull defines a hold, the glider further comprising a hatch configured to releasably seal the hold.
 - 23. (Original) The glider of Claim 22, wherein the hold includes a personnel cabin.
- 24. (Previously Presented) The glider of Claim 22, wherein the hold is configured to receive an internal store.
- 25. (Original) The glider of Claim 24, wherein the internal store includes an unmanned aerial vehicle (UAV).

- 26. (Currently Amended) A submersible glider having a step-wise glider range, the glider comprising:
 - a substantially cylindrical hull having a bow and a stern;
 - a first generally planar lifting surface disposed toward the stern, the first lifting surface having a pair of generally planar stabilizer surfaces extending generally perpendicular to a plane of the first lifting surface from ends of the first lifting surface;
 - a nose cone disposed at the bow; and
 - at least one steering device disposed toward the bow, the steering device including a deflection surface that is spaced apart from the hull such that a boundary layer of fluid is flowable between the deflection surface and the hull.
- 27. (Original) The glider of Claim 26, further comprising a second generally planar lifting surface disposed toward the stern, the second lifting surface being substantially parallel to the first lifting surface and being attached to the pair of stabilizer surfaces.
 - 28. (Cancelled)
 - 29. (Original) The glider of Claim 26, further comprising a canard disposed toward the bow.
- 30. (Previously Presented) The glider of Claim 29, wherein the canard includes a ring canard that is collapsible against the hull.
- 31. (Original) The glider of Claim 26, further comprising a tail cone section disposed at the stern.
 - 32. (Original) The glider of Claim 31, wherein the tail cone is inflatable.
- 33. (Original) The glider of Claim 26, wherein the nose cone has an axis that is not collinear with an axis of the hull.
 - 34. (Original) The glider of Claim 26, further comprising a propulsion system.
 - 35. (Original) The glider of Claim 34, wherein the propulsion system includes a jet ski.

- 36. (Original) The glider of Claim 35, wherein the propulsion system further includes a ring propeller.
- 37. (Original) The glider of Claim 35, further comprising a lifting ski disposed toward the bow.
- 38. (Original) The glider of Claim 27, wherein the second lifting surface includes control surfaces.
 - 39. (Original) The glider of Claim 38, wherein the control surfaces include elevons.
- 40. (Original) The glider of Claim 26, further comprising at least one attachment device configured to releasably attach at least one external store.
- 41. (Original) The glider of Claim 40, wherein the at least one external store includes a torpedo.
- 42. (Original) The glider of Claim 26, wherein the hull defines a hold, the glider further comprising a hatch configured to releasably seal the hold.
 - 43. (Original) The glider of Claim 42, wherein the hold includes a personnel cabin.
- 44. (Previously Presented) The glider of Claim 42, wherein the hold is configured to receive an internal store.
- 45. (Original) The glider of Claim 24, wherein the internal store includes an unmanned aerial vehicle (UAV).
 - 46. (Original) A submersible glider comprising:
 - a wave-piercing hull having a bow and a stern;
 - a generally planar surface substantially disposed toward the stern, the generally planar surface having a pair of generally planar stabilizer surfaces extending generally perpendicular to a plane of the generally planar surface from ends of the generally planar surface; and
 - a pair of lifting skis disposed on the pair of stabilizer surfaces.

- 47. (Original) The glider of Claim 46, wherein the glider has a first state having positive buoyancy.
- 48. (Original) The glider of Claim 47, wherein the glider is configured to float on the pair of lifting skis and the wave-piercing hull when the glider is in the first state, such that the generally planar surface is spaced above a surface of water.
- 49. (Original) The glider of Claim 46, wherein the glider has a second state having at least one of neutral buoyancy and negative buoyancy.
- 50. (Original) The glider of Claim 49, wherein the wave-piercing hull is interposed between the generally planar surface and a surface of water when the glider is in the second state.
 - 51. (Original) The glider of Claim 46, further comprising a propulsion system.
 - 52. (Original) The glider of Claim 51, wherein the propulsion system includes a jet ski.
 - 53. (Original) The glider of Claim 52, wherein the jet ski includes a ring propeller.
- 54. (Original) The glider of Claim 46, further comprising at least one attachment device configured to releasably attach at least one external store.
- 55. (Original) The glider of Claim 54, wherein the at least one external store includes a torpedo.
- 56. (Original) The glider of Claim 46, wherein the hull defines a hold, the glider further comprising a hatch configured to releasably seal the hold.
 - 57. (Original) The glider of Claim 56, wherein the hold includes a personnel cabin.
- 58. (Original) The glider of Claim 46, further comprising a towing mechanism configured to reel in and reel out a towline from the glider.
 - 59. (Original) A marine transport system comprising:
 - a submersible glider having a step-wise glider range; and
 - a surfaced glider having a towing mechanism configured to reel in and reel out from the surfaced glider a towline that is connectable to the submersible glider.

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- 60. (Original) The system of Claim 59, wherein the surfaced glider defines a hold, the surfaced glider further comprising a hatch configured to releasably seal the hold.
 - 61. (Original) The system of Claim 60, wherein the hold includes a personnel cabin.
 - 62. (Original) The system of Claim 59, wherein the submersible glider includes:
 - a substantially cylindrical hull having a bow and a stern;
 - a first generally planar lifting surface disposed toward the stern, the first lifting surface having a pair of generally planar stabilizer surfaces extending generally perpendicular to a plane of the first lifting surface from ends of the first lifting surface;
 - a nose cone disposed at the bow; and
 - at least one steering device disposed toward the bow.
 - 63. (Original) The system of Claim 59, wherein the surfaced glider includes:
 - a wave-piercing hull having a bow and a stern;
 - a generally planar surface substantially disposed toward the stern, the generally planar surface having a pair of generally planar stabilizer surfaces extending generally perpendicular to a plane of the generally planar surface from ends of the generally planar surface; and
 - a pair of lifting skis disposed on the pair of stabilizer surfaces.